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3/18/83**ecology and environment, inc.**

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: March 18, 1983  
TO: File/USEPA Region V  
FROM: Ellen J. Jurczak <sup>EJJ/ACS</sup> *Review*  
SUBJECT: Preliminary Assessment  
Michigan/TDD#R5-8212-03A-249  
Allen Park/Ford Motor Company - Allen Park Clay Mine  
MID980568711

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Michigan Department of Natural Resources,
2. Lansing Office
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

- 1.
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Site inspection dates
2. Groundwater samples analyses
3. Number of onsite workers

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

- 1.
- 2.
- 3.
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Further file search at Public Health Department
- 2.
- 3.

Notice of an apparent need for emergency action was transmitted to N/A on N/A

by N/A.

9/14/87 5E0301 LOW

RCRA Part "B" lead.

<p><b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b> PART 1 - SITE INFORMATION AND ASSESSMENT</p>		I. IDENTIFICATION	
		01 STATE <b>MI</b>	02 SITE NUMBER <b>D 980 568 711</b>
<b>II. SITE NAME AND LOCATION</b>			
01 SITE NAME (Legal, common, or descriptive name of site) <b>FORD MOTOR Co. ALLEN PARK CLAY MINE</b>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <b>17250 Oakwood Blvd.</b>	
03 CITY <b>Allen Park</b>	04 STATE <b>MI</b>	05 ZIP CODE <b>48101</b>	06 COUNTY <b>WAYNE</b>
09 COORDINATES LATITUDE: <b>42° 16' 55" N</b> LONGITUDE: <b>083° 11' 50" W</b>		07 COUNTY CODE <b>16</b>	08 CONG DIST <b>163</b>
10 DIRECTIONS TO SITE (Starting from nearest public road) <b>GOING EAST ON 94 - GET OFF ON OAKWOOD GOING NORTHWEST SITE LIES AT SOUTH WEST CORNER OF INTERSECTION OF 94 AND OAKWOOD.</b>			
<b>III. RESPONSIBLE PARTIES</b>			
01 OWNER (If known) <b>FORD MOTOR COMPANY</b>		02 STREET (Business, mailing, residential) <b>THE AMERICAN ROAD</b>	
03 CITY <b>DEARBORN</b>	04 STATE <b>MI</b>	05 ZIP CODE <b>48121</b>	06 TELEPHONE NUMBER <b>(313) 594 2242</b>
07 OPERATOR (If known and different from owner) <b>SAME</b>		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>08/18/80</u> MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: <u>06/15/81</u> MONTH DAY YEAR <input type="checkbox"/> C. NONE			
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES    DATE: <u>1/1</u> MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION <u>1955</u> BEGINNING YEAR <u>PRESENT</u> ENDING YEAR <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <b>DECANTER COAL TAR SLUDGE (TOXIC, PERSISTENT) ELECTRIC FURNACE BAGHOUSE DUST CONTAINING BARIUM AND LEAD (TOXIC, PERSISTENT)</b>			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <b>RUNOFF COULD ENTER SURFACE WATER. WORKER INJURY IS POSSIBLE.</b>			
<b>V. PRIORITY ASSESSMENT</b>			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
<b>VI. INFORMATION AVAILABLE FROM</b>			
01 CONTACT <b>HAKIM SHAKIR</b>		02 OF (Agency/Organization) <b>Detroit Office. MICHIGAN DEPT. OF NAT. RESOURCES</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION
		07 TELEPHONE NUMBER <b>( )</b>	08 DATE <u>1/1</u> MONTH DAY YEAR







POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
MI D980568711

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: -0- 04 NARRATIVE DESCRIPTION

Allen Drain (an intermittent stream) runs through site. ~~and into~~ No samples taken. Ditch collects runoff so no waste should go off site

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: 11-24-81) ☒ POTENTIAL ☒ ALLEGED  
03 AREA POTENTIALLY AFFECTED: 233 (Acres) 04 NARRATIVE DESCRIPTION

Landfill is 233 acres.

SOIL IN IMMEDIATE CONTACT WITH WASTES ~~AND~~ WILL BE CONTAMINATED.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: to unk, 04 NARRATIVE DESCRIPTION

Workers onsite might be affected by exposure to wastes.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

MI D980568711

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

Runoff could affect surrounding plant life.

01 ☒ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

Mammals and Birds might consume contaminated standing water on sight. Fish might be affected by runoff.

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

People might eat fish affected by runoff.  
contaminated

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 10-07-80)

☒ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: -0-

04 NARRATIVE DESCRIPTION

standing liquid has been noted but a collection system exists.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

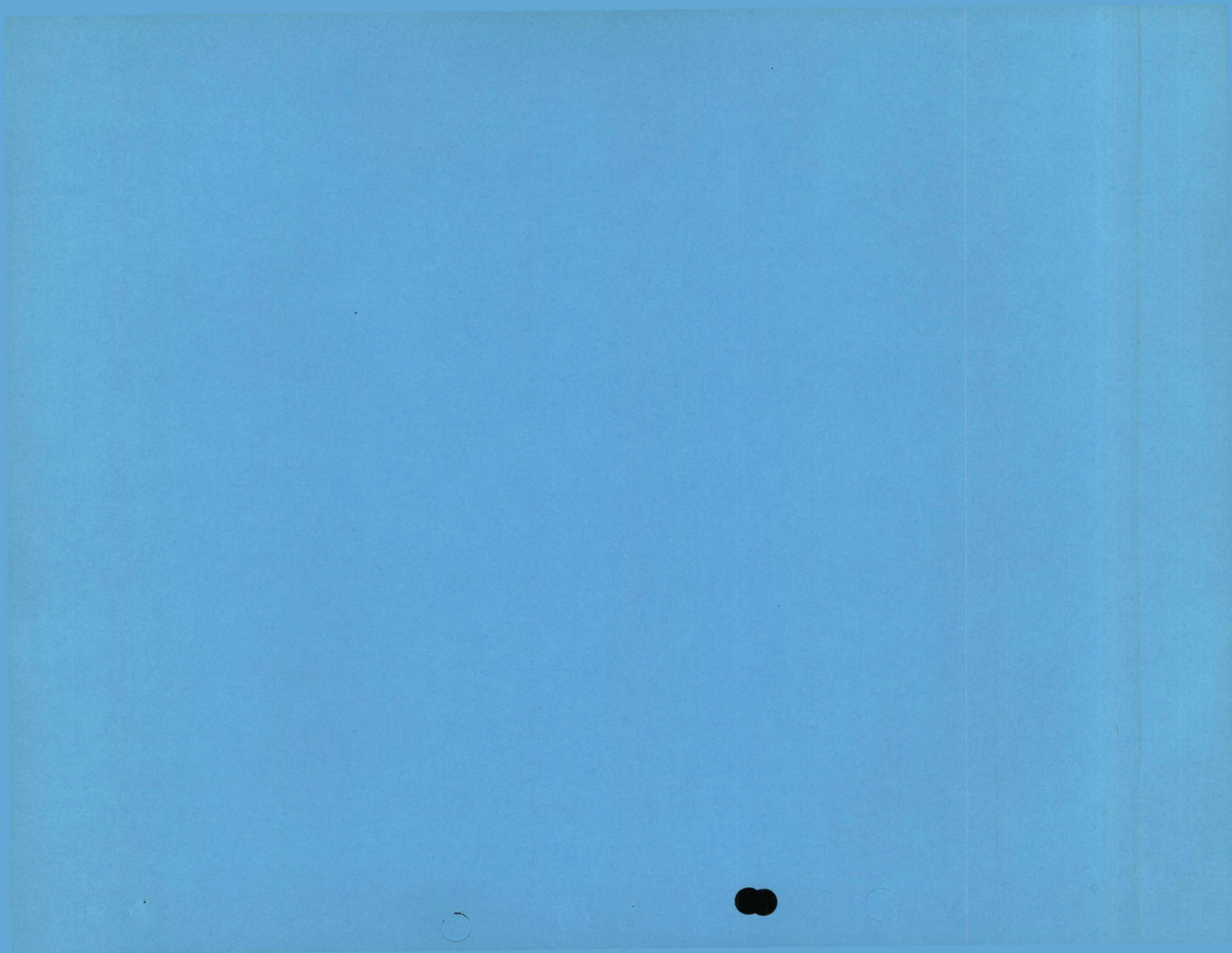
III. TOTAL POPULATION POTENTIALLY AFFECTED: unk

IV. COMMENTS

The only method of contamination is via runoff during a prolonged rainstorm. Site is underlain by a very thick layer of clay.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Michigan Dept of Natural Resources files, Lansing office.





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International Specialists in the Environmental Sciences

DATE: March 18, 1983  
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FROM: Ellen J. Jurczak <sup>ESS/ACS</sup>  
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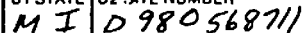
recycled paper

MI-249-06  
D.2  
3/18/83

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<b>Allen Park</b>	<b>MI</b>	<b>48101</b>	<b>WAYNE</b>
09 COORDINATES LATITUDE		07 COUNTY CODE	
<b>42° 16' 55" N</b>		<b>16</b>	
LONGITUDE		08 CONG DIST	
<b>083° 11' 50" W</b>		<b>163</b>	
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03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
<b>DEARBORN</b>	<b>MI</b>	<b>48121</b>	<b>(313) 594 2242</b>
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)	
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09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
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<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>			
01 ON SITE INSPECTION		BY (Check all that apply)	
<input checked="" type="checkbox"/> YES DATE <b>UNK</b> MONTH DAY YEAR <input type="checkbox"/> NO		<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
02 SITE STATUS (Check one)		03 YEARS OF OPERATION	
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		<b>1955</b>   <b>PRESENT</b> <input type="checkbox"/> UNKNOWN BEGINNING YEAR    ENDING YEAR	
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<b>VI. INFORMATION AVAILABLE FROM</b>			
01 CONTACT		02 OF (Agency/Organization)	
<b>HAKIM SHAKIR</b>		<b>Detroit Office. MICHIGAN DEPT. OF NAT. RESOURCES</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT		03 TELEPHONE NUMBER	
		<b>(313) 256 1850</b>	
05 AGENCY		06 ORGANIZATION	
07 TELEPHONE NUMBER		08 DATE	
( )		<b>1 1</b> MONTH DAY YEAR	





<input checked="" type="checkbox"/> A. TOXIC	<input type="checkbox"/> E. SOLUBLE	<input type="checkbox"/> I. HIGHLY VOLATILE
<input checked="" type="checkbox"/> B. CORROSIVE	<input type="checkbox"/> F. INFECTIOUS	<input type="checkbox"/> J. EXPLOSIVE
<input type="checkbox"/> C. RADIOACTIVE	<input type="checkbox"/> G. FLAMMABLE	<input type="checkbox"/> K. REACTIVE
<input checked="" type="checkbox"/> D. PERSISTENT	<input type="checkbox"/> H. IGNITABLE	<input type="checkbox"/> L. INCOMPATIBLE
		<input type="checkbox"/> M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
MI D980568711

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: -0- 04 NARRATIVE DESCRIPTION

Allen Drain (an intermittent stream) runs through site. ~~and into~~ No samples taken. Ditch collects runoff so no waste should go offsite

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: 11-24-81) ☒ POTENTIAL ☒ ALLEGED  
03 AREA POTENTIALLY AFFECTED: 233 (Acres) 04 NARRATIVE DESCRIPTION

Landfill is 233 acres.  
Soil in immediate contact with wastes and will be contaminated.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: 10-unk 04 NARRATIVE DESCRIPTION

Workers onsite might be affected by exposure to wastes.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

MI D980568711

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

Runoff could affect surrounding plant life.

01 ☒ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

Mammals and Birds might consume contaminated standing water on sight. Fish might be affected by runoff.

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☒ ALLEGED

People might eat fish affected by runoff contaminated

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 10-07-80)

☒ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: -0-

04 NARRATIVE DESCRIPTION

standing liquid has been noted but a collection system exists.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: unk

IV. COMMENTS

The only method of contamination is via runoff during a prolonged rainstorm. Site is underlain by a very thick layer of clay.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Michigan Dept of Natural Resources files, Lansing office.

Facility EPA I.D. NO.

Department of Natural Resources

OPERATING LICENSE APPLICATION FOR

HAZARDOUS WASTE DISPOSAL FACILITIES

## 1. FACILITY NAME AND ADDRESS:

Name Ford Motor Company Allen Park Clay Mine			
No. and Street 17250 Oakwood Boulevard	City Allen Park,	State Michigan	Zip Code 48101

## 2. APPLICANT NAME AND MAILING ADDRESS:

Name of Applicant Ford Motor Company, Stationary Source Environmental Control Office			A.B.M. Houston Mgr.
No. and Street 628 W. Parklane Towers	City Dearborn,	State Michigan	Zip Code 48126

## 3. NAME AND ADDRESS OF TITLE HOLDER OF LAND

Name Ford Motor Company			
No. and Street The American Road	City Dearborn,	State Michigan	Zip Code 48121

## 4. FACILITY LOCATION:

Street Address 17250 Oakwood Boulevard	City or Village Allen Park, Michigan 48101
<del>( )</del> $\frac{1}{4}$ of the <del>( )</del> $\frac{1}{4}$ of Section <del>( )</del> of Allen Park, Wayne County. Private Claims 31 & 36 Township or city	

## 5. CONTACT PERSON:

Name and title B. C. Trethewey, Manager, Steel Division, Mining Properties	Telephone No. (313) 594-2242
---	---------------------------------

## 6. FACILITY DESCRIPTION:

Operation of an open pit clay mine for removal of clay to Peerless Cement Co. and for construction and operational use in the landfill area. Excavations remaining after clay removal are utilized for hazardous waste landfill operation. Mining and landfill operations are carried out concurrently but separately.

## 7. TYPE AND PURPOSE OF FACILITY:

## a. Check Type of Facility Below:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Landfill         | <input type="checkbox"/> Incineration                                |
| <input type="checkbox"/> Deep Well Injection         | <input type="checkbox"/> Treatment to a Non-hazardous State          |
| <input type="checkbox"/> Land Treatment              | <input type="checkbox"/> Treatment Followed by Recycling and Reuse   |
| <input type="checkbox"/> Long Term Storage           | <input type="checkbox"/> Treatment Followed by Other Disposal Method |
| <input type="checkbox"/> Other Long Term Containment | <input type="checkbox"/> Other Method (Not Long Term Containment)    |

## b. Check All Waste Types the Facility Handles

- |   |   |
|---|---|
| <input type="checkbox"/> Wastes Generated On-Site | <input checked="" type="checkbox"/> Wastes Generated Off-Site |
| <input checked="" type="checkbox"/> Sludges       | <input checked="" type="checkbox"/> Bulk Solids               |
| <input type="checkbox"/> Liquids, organic         | <input type="checkbox"/> Liquids, inorganic                   |
| <input type="checkbox"/> Other (Explain)          |   |



8. CLOSURE AND POST CLOSURE TRUST FUND INFORMATION:

- a. Anticipated operating life 7 1/2 years. (as of 1981)
- b. Will all hazardous waste be removed as part of closure? ☐ Yes ☒ No
- c. Cost estimate for closure (use current year dollars) \$ 119,017
- d. (.25) X cost estimate for closure \$ N.A.
- e. (.75) X cost estimate for closure  
anticipated operating life in years \$ N.A. per year
- f. Cost estimate for post closure (use current year dollars) \$ 77,300
- g. (.25) X cost estimate for post closure \$ N.A.
- h. (.75) X cost estimate for post closure  
anticipated operating life in years \$ N.A.
- i. Insurance Company of North American P.O. 3051, Troy, Michigan 48098  
Name and address of ~~trustee~~ institution issuing surety bond per %

9. EXISTING ENVIRONMENTAL PERMITS

Type of Permit	Permit Number	Issuing Agency	Date of Issuance
Soil Erosion/Sedimentation	7-302P	Wayne County Health Dept.	August 15, 1980
Solid Waste Disposal	License 4845	Michigan DNR	November 2, 1978
Solid Waste Disposal License Renewal	No Action	Michigan DNR	application dated May 13, 1980

10. SITE DESCRIPTION

USE ADDITIONAL OR LARGER SHEETS, IF NECESSARY

- A. The site landfill is approximately 233 acres, of which 17 acres have been designated as a hazardous disposal area. The topography in the area is relatively flat with an elevation of about 595 feet above mean sea level. A solid waste landfill comprises 140 acres of the site and this fill area grades to an approximate 620 feet above sea level. ~~The area is presently being diked, ditched and bermed in compliance with State solid waste guidelines.~~

The undeveloped areas have approximately 5 - 10 feet of fine sand beneath the topsoil. This sand is underlain by about 65 feet of gray silty clay, having a permeability ranging from  $10^{-8}$  -  $10^{-9}$  centimeters per second. This clay is mined for sale to a cement manufacturer and is used in site construction and operational activities. Beneath the clay is an aquifer of gray sand followed by hardpan.

Ground water found in the surficial sand layer is perched above the clay layer. Diking and stripping of these sands are required to control this water in the fill areas. The ground water found in the sand layer below the clay is under ~~artesian conditions.~~

*Surface water?*

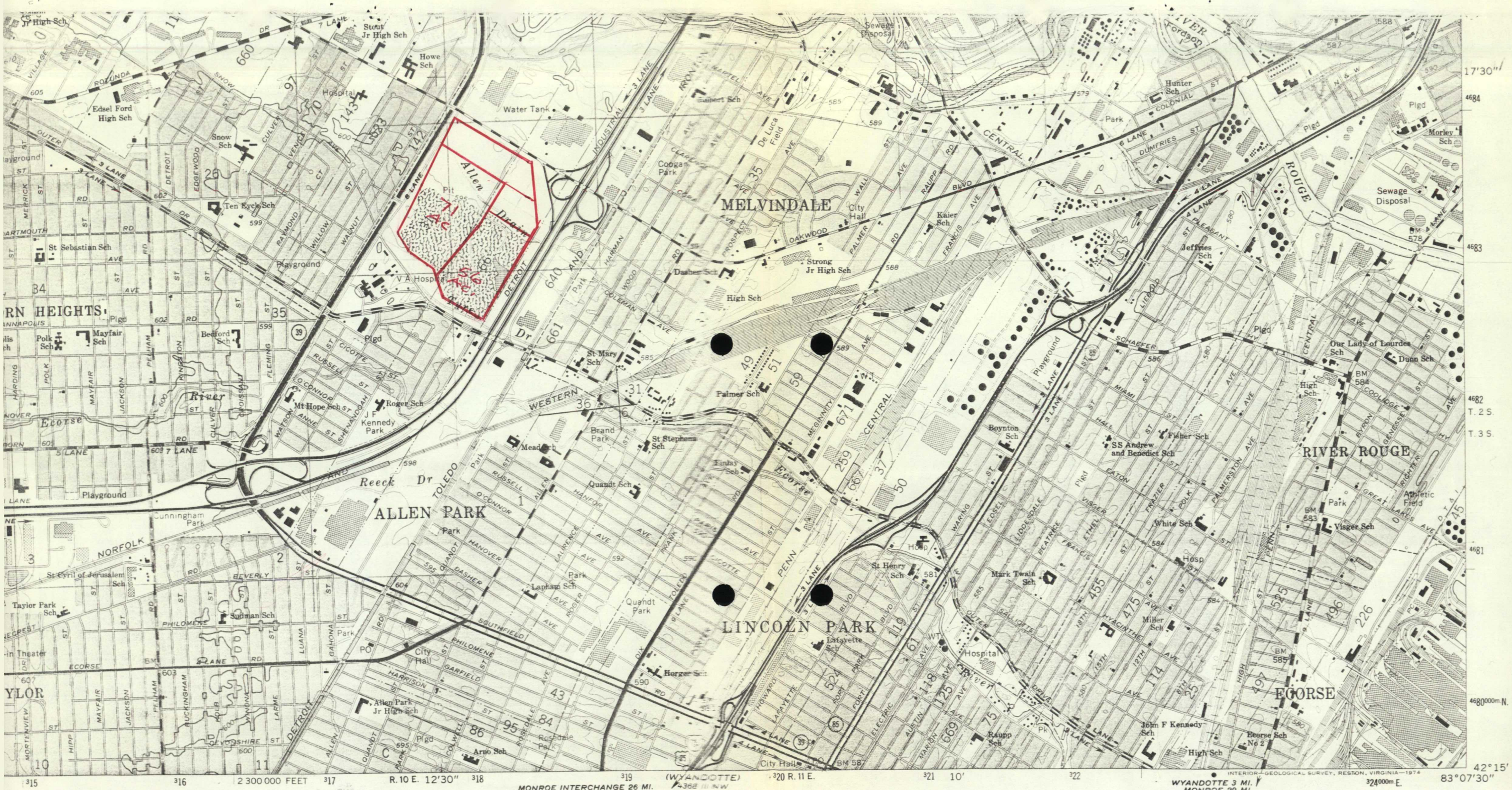
*Vegetation?*

*T? Problems with escape -> gas?*

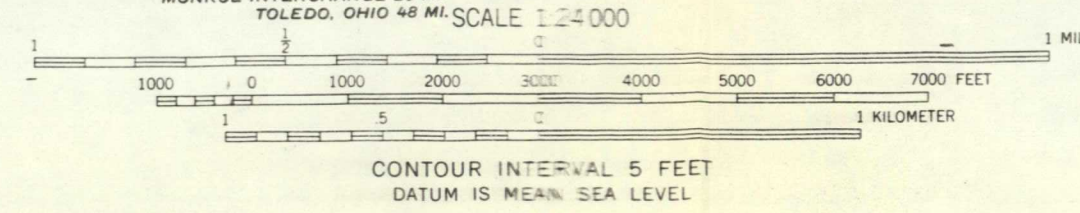
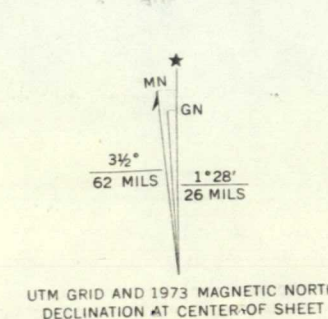
B. Please Check Drawings Attached:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Site Master Plan<br>(Proposed Contour Dwg. C-1) | <input checked="" type="checkbox"/> Site Layout<br>(Drawing C-3)              |
| <input checked="" type="checkbox"/> Plot Plan<br>(Cell Construction C-5)            | <input checked="" type="checkbox"/> Process Flow Diagram<br>(See page 3A, 3B) |





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US, USC&GS, and City of Detroit  
photogrammetric methods from aerial photographs  
planetable surveys 1939. Revised from  
ken 1966-67. Field checked 1968  
ction. 1927 North American datum  
id based on Michigan coordinate system, south zone  
iversal Transverse Mercator grid ticks,  
in blue  
tes areas in which only landmark buildings are shown  
in purple compiled from aerial photographs



ROAD CLASSIFICATION	
Primary highway, all weather, hard surface	Light-duty road, all weather, improved surface
Secondary highway, all weather, hard surface	Unimproved road, fair or dry weather
Interstate Route	U. S. Route
	State Route

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